



1. Product Name

- Steel Residential Doors
 - Raynor Innovation Series™
- Steel Overlay Carriage House Style Doors
 - RockCreeke
- Wood Carriage House Style Doors
 - American Rivers™ Collection
 - RiverPointe™ Carriage House Collection

2. Manufacturer

Raynor
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3. Product Description

BASIC USE

Raynor is a leading manufacturer of commercial and residential garage doors, sectional doors, rolling doors and security grilles and a wide variety of garage door openers and other accessories. Raynor products are crafted for dependable, long-lasting performance.

TYPES & SIZES

Raynor Innovation Series™

Raynor steel residential doors provide style, reliability and safety and include options such as energy-saving insulation, a wide array of panel design combinations and the Raynor Finger Protection System™. Each steel door in the elegant Raynor Innovation Series is available with the standard features listed below:

- White powder coated steel hinges for maximum rust protection
- Tamper resistant counterbalance cable attachment
- Spring system that matches each door's weight
- Section joint finger protection
- Adjustable track
- Vinyl weatherseal



Raynor Innovation Series™

Doors open upward and a continuous thermal break prevents heat loss and metal-to-metal contact between inside and outside surfaces. Wind loaded systems and specialty door sizes are available. Decorative windows are offered in 29 different styles that include acrylic leaded, frosted leaded, beveled, clear, obscure, silkscreen and snap-in glass options.

Features specific to each Raynor Innovation Series model are included below:

Affina™

- Door thickness of 2" (51 mm); R-value - 18
- Rust resistant 24 gauge embossed galvanized steel construction with 100% polyurethane core
- Hardware - The Raynor EnduraCote Hardware System with nylon rollers, steel ball bearings and powder coated extended-life springs and track
- Three standard and 12 optional door design configurations, including the popular carriage house panel option with optional decorative face hardware
- Dimensions - Heights 6' - 8' (1.8 - 2.4 m), widths 6' - 20' (1.8 - 6 m)

Centura™

- Door thickness of 2" (51 mm); R-value - 18
- Rust resistant 24 gauge embossed galvanized steel construction with 100% polyurethane core
- Hardware - Galvanized steel track and steel wheel with ball bearing rollers

- Three standard and 12 optional door design configurations, including the popular carriage house panel option with optional decorative face hardware
- Dimensions - Heights 6' - 8' (1.8 - 2.4 m); widths 6' - 20' (1.8 - 6 m)

Relante™

- Door thickness of 1 3/8" (34.9 mm); R-value - 13.08
- Rust resistant 24 gauge embossed galvanized steel construction with 100% polyurethane core
- Three standard door designs
- Dimensions - Heights 6' - 8' (1.8 - 2.4 m); widths 6' - 20' (1.8 - 6 m)

RockCreeke

With embossed woodgrain texture and an attractive trim that creates a carriage house style look, RockCreeke steel overlay doors provide unsurpassed character in a maintenance-free design. The trim board is made from reclaimed wood fiber and vinyl materials, helping to save natural resources, and is environmentally stable to hold up over time. Features include:

- Door thickness of 2" (51 mm); R-value - 12
- 4-layer construction consisting of 2 layers of 25 gauge galvanized steel, plus a layer each of insulation and overlay trim
- Hardware - The Raynor EnduraCote Hardware System with nylon rollers, steel ball bearings and powder coated extended-life springs and track



PLEASE PROVIDE PHOTO CAPTION



PLEASE PROVIDE PHOTO CAPTION

- Available with simulated swing-out, accordion and bi-fold style configuration options
- Eight single-car door designs; 13 double-car door designs
- Available with 2 window lites across for a single car garage and 3 - 4 lites for a double car garage
- Available with top bucks and decorative bucks (A-Buck, V-Buck, X-Buck)
- Dimensions - Heights 6' - 9' (1.8 - 2.7 m); widths 8' - 18' (2.4 - 5.5 m); Accordion Style available in 12 (3.7 m) width only

American Rivers™ Collection

Raynor handcrafted American Rivers Collection™ garage doors add architectural detail and elegance to a home's design. Appearing to swing, fold or slide open, these wooden carriage house doors beautifully complement modern, traditional or rustic architecture.

Construction consists of a Douglas fir frame, cedar trim boards, exterior grade plywood, polystyrene insulation, cedar or MDO surface material, integrated drip cap, cope and stick joinery and a cedar filler strip. Doors are available with v-groove, beadboard and flush mill-work options. Door interiors are backed with 1/4" (6.4 mm) exterior grade plywood. Standard interior hardware is heavy duty commercial grade, and includes precision ball-bearing nylon-tired rollers and full-angle mounting. Environmental borate treatment is available and recommended for applications located in

coastal environments to control moisture infiltration and to resist wood-boring insects.

The decorative Raynor IronWare Series™ replicates 18th and 19th century exterior hardware. Hand forged from hot-rolled steel and finished with a black powder coat, the IronWare Series offers decorative handles along with 10 complementary strap designs and square head black wood screw fasteners.

Windows are available with 1/8" (3.2 mm) double strength clear glass, water glass and insulated glass in 8 pane patterns.

Features specific to each American Rivers Collection model are listed below:

Vermilion™

- Simulates 1-piece swing-up style with one simulated vertical segment
- Available with top bucks and decorative bucks (X-Buck)
- Eight single car door designs; 15 double car door designs with and without simulated center post and including decorative hardware configurations
- Dimensions - Heights 6' - 9' (1.8 - 2.7 m); widths 6' - 28' (1.9 - 8.5 m)
- Available with 2 - 4 window lites across for a single car garage and 4, 6 or 8 lites for a double car garage

Columbia™

- Appearance simulates swing-out style with 2 simulated vertical segments
- Available with top bucks and decorative bucks (A-Buck, V-Buck, X-Buck)

- Fourteen single car door designs; 27 double car door designs with and without simulated center post and including decorative hardware configurations
- Dimensions - Heights 6' - 9' (1.8 - 2.7 m); widths 6' - 28' (1.9 - 8.5 m)
- Available with 2 window lites across for a single car garage and 4 lites for a double car garage

Potomac™

- Appearance simulates side accordion style with 3 simulated vertical segments
- Available with top bucks and decorative bucks (A-Buck, V-Buck)
- Eleven single car door designs; 21 double car door designs with and without simulated center post and including decorative hardware configurations
- Dimensions - Heights 6' - 9' (1.8 - 2.7 m); widths 6' - 28' (1.9 - 8.5 m)
- Available with 3 window lites across for a single car garage and 6 lites for a double car garage

Savannah™

- Simulates bi-fold style with 4 simulated vertical segments
- Available with top bucks
- Five single car door designs; 9 double car door designs with and without simulated center post and including decorative hardware configurations
- Dimensions - Heights 6' - 9' (1.8 - 2.7 m); widths 6' - 28' (1.9 - 8.5 m)



- Available with 4 window lites across for a single car garage and 8 lites for a double car garage

RiverPointe™ Wood Carriage House Doors
RiverPointe cedar garage doors provide a custom look at an affordable price. Doors are available with v-groove, beadboard and flush millwork options. Interior hardware consists of a galvanized steel track and nylon ball bearing rollers. A choice of 5 styles of decorative exterior hardware is available.

Features specific to each River Pointe model are included below. Door dimensions can be obtained from Raynor.

Swing-Up

- Appearance simulates swing-up style with one simulated vertical segment
- Available with top bucks and decorative bucks (X-Buck)
- Over 4 door designs available; request details from Raynor
- Dimensions - Heights 7' - 9' (2.1 - 2.7 m); widths 8' - 18' (2.4 - 5.5 m)
- Available with 2 - 4 window lites across for a single car garage and 4, 6 or 8 lites for a double car garage

Swing-Out

- Appearance simulates 1-piece swing-up style with 2 simulated vertical segments
- Available with top bucks and decorative bucks (A-Buck, V-Buck, X-Buck)
- Over 4 door designs available; request details from Raynor
- Dimensions - Heights 7' - 9' (2.1 - 2.7 m); widths 8' - 18' (2.4 - 5.5 m)
- Available with 2 window lites across for a single car garage and 4 lites for a double car garage

Accordion

- Appearance simulates 1-piece swing-up style with 3 simulated vertical segments
- Available with top bucks and decorative bucks (A-Buck, V-Buck, X-Buck)
- Over 4 door designs available
- Dimensions - Heights 7' - 9' (2.1 - 2.7 m); widths 8' - 18' (2.4 - 5.5 m)
- Available with 3 window lites across for a single car garage and 6 lites for a double car garage

Bi-Fold

- Appearance simulates 1-piece swing-up style with 4 simulated vertical segments
- Available with top bucks
- Over 4 door designs available; request

details from Raynor

- Dimensions - Heights 7' - 9' (2.1 - 2.7 m); widths 8' - 18' (2.4 - 5.5 m)
- Available with 4 window lites across for a single car garage and 8 lites for a double car garage

COLORS, FINISH

- Raynor Innovation Series - White (standard); ClayTone, GrayTone, Hunter Green, Almond, Brown (optional)
- RockCreeke - White, ClayTone, Almond
- American Rivers Collection - Doors are available with a paint- or stain-grade finish; hardware is available with a standard galvanized finish, optional antique copper powder coat finish or optional white powder coat finish; vinyl weatherseals are available in white, gray, tan or brown
- RiverPointe - Paint grade finish, stain grade finish

4. Technical Data

PHYSICAL/CHEMICAL PROPERTIES
See Tables 1 and 2.

5. Installation

PREPARATORY WORK

Deliver products in manufacturer's original, unopened, undamaged containers with identification labels intact. Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

Verify that site conditions are acceptable for installation. Do not proceed with installation until unacceptable conditions are corrected.

METHODS

Every Raynor door is installed by a trained, experienced Raynor professional.

BUILDING CODES

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

PRECAUTIONS

Do not use WD-40 or grease to lubricate the door track and hinges.

6. Availability & Cost

AVAILABILITY

Products are available from over 600 authorized dealers serving North America and 50 countries worldwide. Dealers can be located by visiting Raynor's online dealer locator at www.raynor.com.

COST

Consult an authorized Raynor dealer for pricing information. Dealers can be located by visiting Raynor's online dealer locator at www.raynor.com.

7. Warranty

Warranty terms and conditions vary by product. Consult Raynor for complete warranty details.

8. Maintenance

To maintain the warranty, the door must be lubricated at least once a year with a silicone or Teflon based spray. Additional cleaning and maintenance requirements apply and vary by product and application location. Consult Raynor for complete maintenance details.

9. Technical Services

Detailed product information is available online at www.raynor.com. Technical assistance, including more detailed information, product literature, test results, project lists, assistance in preparing project specifications and arrangements for application supervision, is available by contacting Raynor.

10. Filing Systems

- Reed First Source®
- First Source CAD
- MANU-SPEC®
- Additional product information is available from the manufacturer upon request.

TABLE 1 PHYSICAL PROPERTIES OF RAYNOR STEEL RESIDENTIAL DOORS

Steel Residential Doors	Raynor Innovation Series			RockCreeke
Model	Affina	Centura	Relante	RockCreeke
Door thickness	2" (51 mm)	2" (51 mm)	1 3/8" (34.9 mm)	2" (51 mm)
Construction				
Steel gauge	24 gauge	24 gauge	24 gauge	25 gauge
Steel type	Rust resistant	Rust resistant	Rust resistant	Rust resistant
	Embossed galvanized	Embossed galvanized	Embossed galvanized	Galvanized
Insulation	100% polyurethane core	100% polyurethane core	100% polyurethane core	Polyurethane
Other	N/A	N/A	N/A	Embossed woodgrain texture
R-value	18	18	13.08	12
Thermal break	Continuous	Continuous	Continuous	No
Weatherseal	Vinyl	Vinyl	Vinyl	Vinyl
Hardware	Raynor EnduraCote Hardware System			Raynor EnduraCote Hardware System
Rollers/wheels	Nylon	Steel; powder coated white	Steel	Nylon
Ball bearings	Steel	-	-	Steel
Track	Extended life, adjustable, powder coated	Galvanized steel, adjustable	Galvanized steel, adjustable	Extended life, adjustable, powder coated
Springs	Extended life, powder coated	Galvanized steel	Galvanized steel	Extended life, powder coated
Hinges	Steel, powder coated white	Steel, powder coated white	Steel, powder coated white	Steel, powder coated white
Decorative hardware available	Yes	Yes	No	Yes
Counterbalanced cable attachment	Yes	Yes	Yes	No
Number of door designs offered				
Standard	3	3	3	8 single car; 13 double car
Optional	12	12	-	-
Standard dimensions				
Heights	6' - 8' (1.8 - 2.4 m)	6' - 8' (1.8 - 2.4 m)	6' - 8' (1.8 - 2.4 m)	6' - 9' (1.8 - 2.7 m)
Widths	6' - 20' (1.8 - 6.1 m)	6' - 20' (1.8 - 6.1 m)	6' - 20' (1.8 - 6.1 m)	8' - 18' (2.4 - 5.5 m); Accordion style 12 (3.7 m)
Decorative windows	27 styles	27 styles	27 styles	5 styles
Safety/security				
Section joint finger protection	Yes	Yes	Yes	No
PosiLock security system	No	No	No	No
Protector System Photo Eyes	No	No	No	No
Manual disconnect pull cord	No	No	No	No

TABLE 2 PHYSICAL PROPERTIES OF RAYNOR WOOD CARRIAGE HOUSE STYLE DOORS

Collection	American Rivers Collection				RiverPointe Collection			
Model	Vermillion	Columbia	Potomac	Savannah	Swing-up	Swing-out	Accordion	Bi-fold
Style	Swing-up	Swing-out	Accordion	Bi-fold	Swing-up	Swing-out	Accordion	Bi-fold
Simulated vertical segments	1	2	3	4	1	2	3	4
Top bucks	Available	Available	Available	Available	Available	Available	Available	Available
Available decorative bucks	X-Buck	A-Buck, V-Buck, X-Buck	A-Buck, V-Buck	N/A	X-Buck	A-Buck, V-Buck, X-Buck	A-Buck, V-Buck	N/A
Door designs offered								
Single car	8	14	11	5	> 4	> 4	> 4	> 4
Double car	15	27	21	9	> 4	> 4	> 4	> 4
Dimensions								
Heights	6' - 9' (1.8 - 2.7 m)	6' - 9' (1.8 - 2.7 m)	6' - 9' (1.8 - 2.7 m)	6' - 9' (1.8 - 2.7 m)	7' - 9' (2.1 - 2.7 m)	7' - 9' (2.1 - 2.7 m)	7' - 9' (2.1 - 2.7 m)	7' - 9' (2.1 - 2.7 m)
Widths	6' - 28' (1.8 - 8.5 m)	6' - 28' (1.8 - 8.5 m)	6' - 28' (1.8 - 8.5 m)	6' - 28' (1.8 - 8.5 m)	8' - 18' (2.4 - 5.5 m)	8' - 18' (2.4 - 5.5 m)	8' - 18' (2.4 - 5.5 m)	8' - 18' (2.4 - 5.5 m)
Window lites across								
Single car	2 - 4	2	3	4	2 - 4	2	3	4
Double car	4, 6, 8	4	6	8	4, 6, 8	4	6	8